

SEAPHS
SAMSEL ENVIRONMENTAL AND PUBLIC HEALTH SERVICES
P. O. Box 131 Deerfield, New Hampshire 03037

August 29, 2016

Honorable Jeanne Shaheen
United States Senator
Washington, DC 20510

Re: Contamination of vaccines by Glyphosate herbicide

Dear Senator Shaheen,

I am writing to let you know that my letter to you on August 18, 2016 containing laboratory data on Glyphosate contaminated vaccines may be shared with all members of Congress and the public. We should not embargo this important information. I have sent updated data sheets with this cover letter that are not marked confidential.

Should you require further information, assistance or expertise regarding Glyphosate please do not hesitate to contact me. I remain in your service, committed to the safety and protection of public health and the environment.

Kind regards,

Anthony Samsel, Research Scientist / Consultant

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"In the past the world suffered grievously from lack of knowledge, today it suffers from its rejection." ~ Dr. Arthur D. Little

LAB# 1 RUN #3738A	VACCINE	CONTAMINATION Glyphosate (ppb)	TYPE
MERCK	MMR	2.963	Measles, mumps and Rubella
SANOFI	DTaP	ND	Diphtheria, Tetanus, and Pertussis
MERCK	HEP B	ND	Hepatitis B
WYETH	PREVNAR	ND	Pneumococcus
NOVARTIS	FLUVIRAN	0.227	Influenza
Limit of detection in vaccines 0.075 ppb		ND Not Detected	

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LAB #2 RUN #	VACCINE	CONTAMINATION Glyphosate (ppb)	TYPE
MERCK	ZOSTAVAX	0.42	Shingles Exp. 2017JUN01
MERCK	MMR-II	2.90	Measles, mumps and Rubella Exp. SEP2017
MERCK	VARIVAX	0.41	Varicella, chicken pox Exp. 08FEB2018
MERCK	PNEUMOVAX 23	ND	Pneumococcal 18 Exp. MAY2017
MERCK	PROQUAD	0.43	Measles, mumps rubella, varicella Exp. Sept 12,2017
GLAXO SMITH KLINE	B ENERGIX-B	0.33	Hepatitis B recombinant Exp. 06/01/18
Limit of detection in vaccines 0.15 ppb		ND Not Detected	

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LAB #1 RUN # 3967A	VACCINE	CONTAMINATION Glyphosate (ppb)	TYPE
MERCK	PNEUNOVAX 23	ND	Pneumococcal 18 Exp. MAY2017
MERCK	MMR II	3.740	Measles, mumps and Rubella Exp. SEP2017
MERCK	PROQUAD MMRV	0.512	Measles, mumps rubella, varicella Exp. Sept 12,2017
MERCK	VARIVAX	0.556	Varicella, chicken pox Exp. 08FEB2018
MERCK	ZOSTAVAX	0.558	Shingles Exp. 2017JUN01
MERCK SHARP & DOHNE	STERILE DILUENT	ND	
SANOFI PASTEUR	ADACEL DTaP	0.109	Diphtheria, tetanus, pertussis
Glaxo smith kline	B ENERGIX-B	0.337	Hepatitis B recombinant Exp. 06/01/18
SANOFI PASTEUR	FLUZONE QUAD	0.170	Influenza 6762
Limit of detection in vaccines 0.075 ppb		ND Not Detected	

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LAB #1 RUN # 4025A	DILUTION	CONTAMINATION Glyphosate (ppb)	% Recovery in a Spiked Sample
DISNEY GUMMIES VITAMINS 10% Formamide	1:60	< 4.5	140%
FLINTSTONES GUMMIES VITAMINS 10% Formamide	1:60	< 4.5	139%
DISNEY GUMMIES VITAMINS 10ml Water	1:10	8.27	92%
FLINTSTONES GUMMIES VITAMINS 10 ml Water	1:10	5.32	111%
KNOX GELATIN 10 ml Water #02 FEB 2019 DB01 22:24	1:10	1.15	38%
JELL-O ORANGE FLAVOURED GELATIN 10% Formamide #07 JAN 2018 DB02 02:36	1:60	9.0	411%
POWER MAX PROTEIN POWDER ADVANCED NUTRITION 10% Formamide	1:60	14.94	179%

Limit of Detection for Glyphosate in Gelatin using 10% hot Formamide extraction: 4.5 ppb

Limit of Detection for Glyphosate in Gelatin using hot Water extraction: <0.75 ppb

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